

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L8	17871	interconnect\$3 with (hole via groove trench damascene opening recess depress\$4) with (dielectric insulat\$3)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/05/16 17:03
L9	17095	L8 and (interconnect\$3 interconnect hole via groove trench damascene opening recess depress\$4 dielectric insulat\$3) with (line wire wir\$3 metal conduct\$3 copper 'cu')	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/05/16 16:59
L10	2381	L9 and ((cap capping) near3 (layer film))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/05/16 16:59
L11	803	L10 and ((cap capping) near3 (layer film)) with first	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/05/16 16:59
L12	642	L11 and ((cap capping) near3 (layer film)) with second	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/05/16 16:59
L13	366	L12 and ((cap capping) near3 (layer film)) with nitride	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/05/16 16:59
L14	5	L13 and ((cap capping) near3 (layer film)) with (thick thickness thick\$3) and probe	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/05/16 17:01
L15	54	interconnect\$3 with (hole via groove trench damascene opening recess depress\$4) with (dielectric insulat\$3) with probe	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/05/16 17:08
S1	9014	interconnect with (hole via groove trench damascene opening recess depress\$4) with (dielectric insulat\$3)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/02/27 13:31
S2	1321358	S1 and (interconnect hole via groove trench damascene opening recess depress\$4 dielectric insulat\$3) with wire wir\$3	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/02/27 13:31
S3	17340	interconnect\$3 with (hole via groove trench damascene opening recess depress\$4) with (dielectric insulat\$3)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/02/27 13:37
S4	16330	S3 and (interconnect\$3 interconnect hole via groove trench damascene opening recess depress\$4 dielectric insulat\$3) with (wire wir\$3 metal conduct\$3 copper 'cu')	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/02/27 13:34

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S5	9175	S4 and (interconnect\$3 interconnect hole via groove trench damascene opening recess depress\$4 dielectric insulat\$3 wire wir\$3 metal conduct\$3 copper 'cu') with (planarization planariz\$3 planar\$2 polish\$3)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/02/27 13:37
S6	5619	S5 and (hole via groove trench damascene opening recess depress\$4 dielectric insulat\$3) with (cap capping passivation protect\$3 barrier) near3 (layer film)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/02/27 13:39
S7	2781	S6 and (cap capping passivation protect\$3 barrier) with (thick thickness thick\$2)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/02/27 13:53
S8	171	S7 and probe	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/02/27 15:09
S9	236	S7 and (probe tip)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/02/27 13:41
S10	2907	S6 and (cap capping passivation protect\$3 barrier diffusion diffusing diffus\$4) with (thick thickness thick\$2)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/02/27 13:55
S12	1	10/508129	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/02/27 16:40
S13	17871	interconnect\$3 with (hole via groove trench damascene opening recess depress\$4) with (dielectric insulat\$3)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/05/16 09:47
S14	16844	S13 and (interconnect\$3 interconnect hole via groove trench damascene opening recess depress\$4 dielectric insulat\$3) with (wire wir\$3 metal conduct\$3 copper 'cu')	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/05/16 09:49
S15	9505	S14 and (interconnect\$3 interconnect hole via groove trench damascene opening recess depress\$4 dielectric insulat\$3 wire wir\$3 metal conduct\$3 copper 'cu') with (planarization planariz\$3 planar\$2 polish\$3)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/05/16 08:24
S16	5839	S15 and (hole via groove trench damascene opening recess depress\$4 dielectric insulat\$3) with (cap capping passivation protect\$3 barrier) near3 (layer film)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/05/16 08:24

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S17	3038	S16 and (cap capping passivation protect\$3 barrier diffusion diffusing diffus\$4) with (thick thickness thick\$2)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/05/16 08:24
S18	190	S17 and probe	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/05/16 09:43
S19	6	("0134499" "0219996" "0061229" "6414377" "6521537" "6355563"). PN.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/05/16 09:07
S20	16	("20030134499" "20030219996" "20040061229" "6414377" "6521537" "6355563")	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/05/16 09:07
S22	190	S17 and probe	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/05/16 09:46
S23	17871	interconnect\$3 with (hole via groove trench damascene opening recess depress\$4) with (dielectric insulat\$3)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/05/16 09:47
S24	17095	S13 and (interconnect\$3 interconnect hole via groove trench damascene opening recess depress\$4 dielectric insulat\$3) with (line wire wir\$3 metal conduct\$3 copper 'cu')	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/05/16 09:51
S25	17095	S23 and (interconnect\$3 interconnect hole via groove trench damascene opening recess depress\$4 dielectric insulat\$3) with (line wire wir\$3 metal conduct\$3 copper 'cu')	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/05/16 09:51
S26	2381	S25 and ((cap capping) near3 (layer film))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/05/16 09:52
S27	803	S26 and ((cap capping) near3 (layer film)) with first	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/05/16 09:52
S28	642	S27 and ((cap capping) near3 (layer film)) with second	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/05/16 09:52
S29	366	S28 and ((cap capping) near3 (layer film)) with nitride	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/05/16 09:53
S30	173	S29 and ((cap capping) near3 (layer film)) with (thick thickness thick\$3)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/05/16 16:59

## EAST Search History

S31	250	("5534731" "5548159" "5708303" "6211561" "6078088" "6228770" "6261942" "6287979" "6465339" "6492732")	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/05/16 09:58
S32	2	"6713845"	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/05/16 12:02
S33	1	"6051849".PN.	USPAT; USOCR	OR	OFF	2006/05/16 12:09
S34	1	"6015979".PN.	USPAT; USOCR	OR	OFF	2006/05/16 12:09